



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We make Indiana a cleaner, healthier place to live.

Frank O'Bannon
Governor

Lori F. Kaplan
Commissioner

August 25, 2003

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Indianapolis, Indiana 46206-6015
(317) 232-8603
(800) 451-6027
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TO: Interested Parties / Applicant

RE: Jet Corr, Inc. / 127-18001-00094

FROM: Paul Dubenetzky
Chief, Permits Branch
Office of Air Quality

Notice of Decision – Approval

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to 326 IAC 2, this approval was effective immediately upon submittal of the application.

If you wish to challenge this decision, IC 4-21.5-3-7 requires that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, ISTA Building, 150 W. Market Street, Suite 618, Indianapolis, IN 46204, **within eighteen (18) calendar days from the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

- (1) the date the document is delivered to the Office of Environmental Adjudication (OEA);
- (2) the date of the postmark on the envelope containing the document, if the document is mailed to OEA by U.S. mail; or
- (3) The date on which the document is deposited with a private carrier, as shown by receipt issued by the carrier, if the document is sent to the OEA by private carrier.

The petition must include facts demonstrating that you are either the applicant, a person aggrieved or adversely affected by the decision or otherwise entitled to review by law. Please identify the permit, decision, or other order for which you seek review by permit number, name of the applicant, location, date of this notice and all of the following:

- (1) the name and address of the person making the request;
- (2) the interest of the person making the request;
- (3) identification of any persons represented by the person making the request;
- (4) the reasons, with particularity, for the request;
- (5) the issues, with particularity, proposed for considerations at any hearing; and
- (6) identification of the terms and conditions which, in the judgment of the person making the request, would be appropriate in the case in question to satisfy the requirements of the law governing documents of the type issued by the Commissioner.

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178. Callers from within Indiana may call toll-free at 1-800-451-6027, ext. 3-0178.

Enclosures
FNPER-AM.dot 8/11/03

August 25, 2003

Mr. Philip Bulger
Jet Corr, Inc.
3155 SR 49
Valparaiso, IN 46383

Re: 127-18001
Second Administrative Amendment to
FESOP No. F127-11731-00094

Dear Mr. Bulger:

Jet Corr, Inc. was issued a FESOP on April 3, 2000 for a corrugated box manufacturing source. A letter requesting an administrative amendment was received on July 19, 2003. The requested changes are related to the addition of one (1) backup baler, one (1) folder gluer, and the removal of one (1) existing printer-folder-gluer machine. According to 326 IAC 2-8-10(a)(14), an administrative amendment can be used for a "modification that adds an emission unit or units of the same type that are already permitted and that will comply with the same applicable requirements and permit terms and conditions as the existing emission unit or units, except if the modification would result in a potential to emit greater than the thresholds in 326 IAC 2-2 or 326 IAC 2-3". The backup baler is identical to the existing baler at the facility, and meets the above requirement. The new flexographic folder-gluer unit is also identical to a permitted unit at the source. Also, according to 326 IAC 2-8-10(a)(6), an administrative amendment can be used for modifications which "revise descriptive information where the revision will not trigger a new applicable requirement or violate a permit term". The removal of the permitted printer-folder-gluer unit identified as EU017 meets this requirement. Therefore, pursuant to the provisions of 326 IAC 2-8-10 the permit is hereby administratively amended as follows (~~strikeout~~ to show deletions and **bold** to show additions):

(1) Section A.2 is amended as follows:

- (f) One (1) natural gas-fired low NO_x boiler, known as EU 013, with No. 2 fuel oil as backup, rated at 20.92 million British thermal units per hour, exhausted through Stack S002.
- (g) ~~One (1) flexographic printer-folder-gluer machine, known as EU-017, capacity: 60.5 million square inches of paper per hour.~~
- (g h) One (1) flexographic printer-folder-gluer machine, known as EU 018, capacity: 79.2 million square inches of paper per hour.
- (h) **One (1) flexographic model 170 folder gluer machine, known as EU019, with a maximum line speed of 925 feet per minute.**
- (i) One (1) Baler system equipped with a cyclone, known as EU 009, installed in 2000, modified in 2003, exhausted to Stack S003, capacity: 6,400 pounds of corrugated trimmings per hour, **with one (1) identical backup baler to be utilized only in the event of failure of the primary baler unit.**

(2) The facility description in Section D.3 is amended as follows:

Facility Description [326 IAC 2-8-4(10)]: Baler System

- (i) One (1) Baler system equipped with a cyclone, known as EU 009, installed in 2000, modified in 2003, exhausted to Stack S003, capacity: 6,400 pounds of corrugated trimmings per hour, **with one (1) identical backup baler to be utilized only in the event of failure of the primary baler unit.**

(3) Facility description in Section D.2 is amended as follows:

~~(e) One (1) flexographic printer-folder-gluer machine, known as EU 017, capacity: 60.5 million square inches of paper per hour.~~

(e f) One (1) flexographic printer-folder-gluer machine, known as EU 018, capacity: 79.2 million square inches of paper per hour.

(f) **One (1) flexographic model 170 folder gluer machine, known as EU019, with a maximum line speed of 925 feet per minute.**

(4) The authorized individual field in A.1 is amended as follows:

Authorized Individual: ~~Phillip Cole~~ **General Manager**

All other conditions of the permit shall remain unchanged and in effect. Please attach a copy of this amendment and the following revised permit pages to the front of the original permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Madhurima D. Moulik at (800) 451-6027, press 0 and extension 3-0868, or dial (317) 233-0868.

Sincerely,

Original signed by

Paul Dubenetzky, Chief
Permits Branch
Office of Air Quality

Attachments

mm

cc: File - Porter County
U.S. EPA, Region V
Porter County Health Department
Northwest Regional Office
Air Compliance Section Inspector – Rick Massoels
Compliance Data Section - Karen Nowak
Administrative and Development
Technical Support and Modeling - Michele Boner

**FEDERALLY ENFORCEABLE STATE
OPERATING PERMIT (FESOP)
OFFICE OF AIR QUALITY**

**Jet Corr, Inc.
3155 State Road 49
Valparaiso, Indiana 46383**

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-8 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: F 127-11731-00094	
Issued by: Paul Dubenetzky, Branch Chief Office of Air Management	Issuance Date: April 4, 2000 Expiration Date: April 4, 2005

First Minor Permit Revision No. 127-12978-00094	Issuance Date: May 1, 2001
First Administrative Amendment No. 127-14313-00094	Issuance Date: June 28, 2001
Second Minor Permit Revision No. 127-14750-00094	Issuance Date: September 25, 2001
First Reopening No. 127-13097-000094	Issuance Date: September 27, 2001
First Significant Permit Revision No. 127-16841-00094	Issuance Date: March 10, 2003

Second Administrative Amendment No. 127-18001	Pages Modified: 5, 6, 29, 32
Issued by:Original signed by Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: August 25, 2003

SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1 General Information [326 IAC 2-8-3(b)]

The Permittee owns and operates a corrugated box manufacturing source.

Authorized Individual: General Manager
Source Address: 3155 State Road 49, Valparaiso, Indiana 46383
Mailing Address: 3155 State Road 49, Valparaiso, Indiana 46383
Phone Number: 219 - 548 - 8525
SIC Code: 2653
County Location: Porter
County Status: Nonattainment for ozone
Attainment for all other criteria pollutants
Source Status: Federally Enforceable State Operating Permit (FESOP)
Minor Source, under Emission Offset Rules;
Minor Source, Section 112 of the Clean Air Act

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]

This stationary corrugated box manufacturing source consists of the following emission units and pollution control devices:

- (a) One (1) natural gas-fired low NO_x boiler, known as EU 001, with No. 2 fuel oil as backup, rated at 20.92 million British thermal units per hour, exhausted through Stack S001.
- (b) One (1) 3-color 48-inch flexographic printer-folder-gluer machine, known as EU 003, capacity: 250 sheets per minute.
- (c) One (1) 4-color 48-inch flexographic printer-folder-gluer machine, known as EU 004, capacity: 250 sheets per minute.
- (d) One (1) 94.5-inch EMBA press, known as EU 005, capacity: 957 feet per minute.
- (e) One (1) 2-color flexographic printer-folder-gluer machine, known as EU 012, with a capacity of 100 sheets per minute at 89" X 205".
- (f) One (1) natural gas-fired low NO_x boiler, known as EU 013, with No. 2 fuel oil as backup, rated at 20.92 million British thermal units per hour, exhausted through Stack S002.
- (g) One (1) flexographic printer-folder-gluer machine, known as EU 018, capacity: 79.2 million square inches of paper per hour.
- (h) One (1) flexographic model 170 folder gluer machine, known as EU019, with a maximum line speed of 925 feet per minute.
- (i) One (1) Baler system equipped with a cyclone, known as EU 009, installed in 2000,

modified in 2003, exhausted to Stack S003, capacity: 6,400 pounds of corrugated trimmings per hour, with one (1) identical backup baler to be utilized only in the event of failure of the primary baler unit.

A.3 Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-8-3(c)(3)(I)]

This stationary source also includes the following insignificant activities, as defined in 326 IAC 2-7-1(21):

- (a) Natural gas-fired combustion sources each with heat input equal to or less than ten million (10,000,000) British thermal units per hour. Consisting of six (6) natural gas-fired makeup air units and eighteen (18) natural gas-fired unit heaters, collectively known as EU 011, rated at 39.23 million British thermal units per hour total.
- (b) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment consisting of miscellaneous cutting torches, known as EU010.
- (c) Activities associated with the treatment of wastewater streams with an oil and grease content less than or equal to one (1) percent by volume.
- (d) On-site fire and emergency response training approved by the department.
- (e) One (1) above-ground storage tank, capacity: 1,000 gallons of No. 2 fuel oil, known as EU 002.
- (f) One (1) cold solvent degreaser, known as EU 007.
- (g) Rotary die cutters, known as EU 008.
- (h) One (1) closed loop waste water system, known as EU 012.
- (i) Starch silo equipped with a baghouse.
- (j) Two (2) paper corrugating machines, known as EU 006.

A.4 FESOP Applicability [326 IAC 2-8-2]

This stationary source, otherwise required to have a Part 70 permit as described in 326 IAC 2-7-2(a), has applied to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) for a Federally Enforceable State Operating Permit (FESOP).

A.5 Prior Permit Conditions

- (a) This permit shall be used as the primary document for determining compliance with applicable requirements established by previously issued permits.
- (b) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, including any term or condition from a previously issued construction or operation permit, IDEM, OAQ, when applicable shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued.

SECTION D.2 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]:

- (a) One (1) 2-color flexographic printer-folder-gluer machine, known as EU 012, with a capacity of 100 sheets per minute at 89" X 205".
- (b) One (1) 3-color 48-inch flexographic printer-folder-gluer machine, known as EU 003, capacity: 250 sheets per minute.
- (c) One (1) 4-color 48-inch flexographic printer-folder-gluer machine, known as EU 004, capacity: 250 sheets per minute.
- (d) One (1) 94.5-inch EMBA press, known as EU 005, capacity: 957 feet per minute.
- (e) One (1) flexographic printer-folder-gluer machine, known as EU 018, capacity: 79.2 million square inches of paper per hour.
- (f) One (1) flexographic model 170 folder gluer machine, known as EU019, with a maximum line speed of 925 feet per minute.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-8-5(1)]

D.2.1 Emission Offset Minor Limit [326 IAC 2-3] [326 IAC 2-8]

The input of VOC shall be limited to a total of less than 23.7 tons from coatings, dilution solvents, and cleaning solvents, per twelve (12) consecutive month period. This usage limit is required to limit the potential to emit of VOC from the entire source to less than twenty-five (25) tons per twelve (12) consecutive month period. Compliance with this limit makes 326 IAC 2-3 (Emission Offset) not applicable.

D.2.2 Hazardous Air Pollutants (HAPs) [326 IAC 2-8]

The input of hazardous air pollutants to the entire source shall be limited to less than ten (10) tons per consecutive twelve (12) month period for the combination of HAPs. These limits make the requirements of 40CFR Part 63 Subpart KK (National Emission Standards for Printing and Publishing Industry) not applicable.

D.2.3 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for these facilities.

Compliance Determination Requirements [326 IAC 2-8-5(a)(1)&(4)] [326 IAC 2-1.1-11]

D.2.4 Testing Requirements [326 IAC 2-8-5(a)(1), (4)] [326 IAC 2-1.1-11]

The Permittee is not required to test these facilities by this permit. However, IDEM may require compliance testing at any specific time when necessary to determine if these facilities are in compliance. If testing is required by IDEM, compliance shall be determined by a performance test conducted in accordance with Section C - Performance Testing.

SECTION D.3 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]: Baler System

- (i) One (1) Baler system equipped with a cyclone, known as EU 009, installed in 2000, modified in 2003, exhausted to Stack S003, capacity: 6,400 pounds of corrugated trimmings per hour, with one (1) identical backup baler to be utilized only in the event of failure of the primary baler unit.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-8-4(1)]

D.3.1 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the Baler system shall not exceed 8.94 pounds per hour when operating at a process weight rate of 6,400 pounds per hour.

The pounds per hour limitation was calculated with the following equation:

Interpolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67} \quad \text{where } E = \text{rate of emission in pounds per hour; and} \\ P = \text{process weight rate in tons per hour}$$

D.3.2 PM₁₀ Emissions [326 IAC 2-8-4]

The PM₁₀ emissions from the Baler system equipped with a cyclone shall not exceed 8.94 pounds per hour. Compliance with this limit will satisfy the requirements of 326 IAC 2-8-4.

D.3.3 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for the Baler system and its control device.

Compliance Determination Requirements

D.3.4 Testing Requirements [326 IAC 2-8-5(a)(1), (4)] [326 IAC 2-1.1-11]

Within 180 days after issuance of this permit, in order to demonstrate compliance with Condition D.3.1, the Permittee shall perform PM testing of the Baler system controlled by a cyclone utilizing methods as approved by the Commissioner. Testing shall be conducted in accordance with Section C- Performance Testing.

Compliance Monitoring Requirements [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

D.3.5 Particulate Control

In order to comply with Conditions D.3.1 and D.3.2, the cyclone for particulate control shall be in operation and control emissions from the Baler system at all times that the Baler system is in operation.

D.3.6 Visible Emissions Notations

- (a) Visible emission notations of the Baler system stack exhaust S003 shall be performed once per shift during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.